

## CLAIMS

I claim:

1. A radial lip seal designed to prevent wear on a rotary shaft, the seal comprising:
  - a. a first sleeve adapted to fit coaxially around the shaft;
  - b. a cylindrical seal case, disposed coaxially around the first sleeve, having an inner surface, an outside surface, an outer end, and an inner end;
  - c. a generally planar faceplate operably coupled to, and extending radially inward from, an outer end of the seal case, wherein the faceplate is generally perpendicular to the seal case having an inner side, an outer side, and a central aperture larger than the outside diameter of the first sleeve;
  - d. a second sleeve adapted to fit coaxially around the shaft, and being adjacent to an outer edge of the first sleeve, positioned between the faceplate and the shaft; and
  - e. a flexible member operably positioned between the seal case and the shaft.